

## CLAIMS

1. A computer program product, comprising:
  - a computer storage medium and a computer program code mechanism embedded in the computer storage medium for causing a computer to integrate plural information streams, within a middleware component, the computer program code mechanism comprising:
    - a first computer code device configured to receive information from plural real-time information sources;
    - a second computer code device configured to receive a sub-portion of non-real-time information;
    - a third computer code device configured to deliver the information from the plural real-time information sources with higher priority than the sub-portion of non-real-time information; and
    - a fourth computer code device configured to retrieve a remainder of the non-real-time information upon user request.
2. The computer program product as claimed in claim 1, wherein the plural real-time information sources comprise exchange data and commodities data.
3. The computer program product as claimed in claim 1, wherein the sub-portion of the non-real-time information comprises a headline of a news story.
4. The computer program product as claimed in claim 3, wherein the fourth computer code device comprises a fifth computer device configured to respond to a user selecting the headline.
5. The computer program product as claimed in claim 3, wherein the fourth computer code device comprises a fifth computer device configured to respond to a user clicking on the headline.
6. The computer program product as claimed in claim 1, wherein the first computer code device comprises:
  - a fifth computer code device configured to receive the information from the plural real-time information sources in a binary format; and
  - a sixth computer code device configured to expand the binary format into a streaming format.
7. The computer program product as claimed in claim 1, wherein the first computer code device comprises:

a fifth computer code device configured to receive the information from the plural real-time information sources in a binary format; and

a sixth computer code device configured to expand the binary format into a streaming XML format.

8. The computer program product as claimed in claim 7, wherein the streaming format comprises a streaming XML format.

9. A computer system utilizing a middleware layer, the middleware layer comprising:  
means for receiving information from plural real-time information sources;  
means for receiving a sub-portion of non-real-time information;  
means for delivering the information from the plural real-time information sources with higher priority than the sub-portion of non-real-time information; and  
means for retrieving a remainder of the non-real-time information upon user request.

10. The computer system as claimed in claim 9, wherein the plural real-time information sources comprise exchange data and commodities data.

11. The computer system as claimed in claim 9, wherein the sub-portion of the non-real-time information comprises a headline of a news story.

12. The computer system as claimed in claim 9, wherein the means for receiving information comprises:

means for receiving the information from the plural real-time information sources in a binary format; and

means for expanding the binary format into a streaming format.

13. The computer system as claimed in claim 12, wherein the streaming format comprises a streaming XML format.

14. The computer system as claimed in claim 9, wherein the means for receiving information comprises means for receiving the information from the plural real-time information sources in a streaming XML format.

15. A computer-implemented method for processing information in a middleware layer, the method comprising:

receiving information from plural real-time information sources;

receiving a sub-portion of non-real-time information;

delivering the information from the plural real-time information sources with higher priority than the sub-portion of non-real-time information; and

retrieving a remainder of the non-real-time information upon user request.

16. The method as claimed in claim 15, wherein the plural real-time information sources comprise exchange data and commodities data.

17. The method as claimed in claim 15, wherein the sub-portion of the non-real-time information comprises a headline of a news story.

18. The method as claimed in claim 15, wherein the step of receiving information comprises:

receiving the information from the plural real-time information sources in a binary format; and

expanding the binary format into a streaming format.

19. The method as claimed in claim 18, wherein the streaming format comprises a streaming XML format.

20. The method as claimed in claim 15, wherein the step of receiving information comprises receiving the information from the plural real-time information sources in a streaming XML format.